

CLAIMS:

1. Use of an effective amount of a rodenticide and an insecticidally effective amount up to 200ppm of fipronil
5 in the manufacture of a bait composition to provide a lethal effect on fleas and a host rodent thereof, following ingestion of the bait composition by the host rodent.
2. Use according to claim 1 wherein the amount of
10 fipronil is at least 1 ppm.
3. Use according to claim 1 wherein the amount of fipronil is at least 2 ppm.
4. Use according to claim 1 wherein the amount of fipronil is at least 10 ppm.
- 15 5. Use according to claim 1 wherein the amount of fipronil is at least 40 ppm.
6. Use according to any one of the preceding claims wherein the rodenticide is a hydroxycoumarin or indanedione anticoagulant.
- 20 7. Use according to any one of the preceding claims wherein the rodenticide is selected from the group consisting of brodifacoum, difethialone, flocoumafen, bromadiolone and mixtures thereof.
8. Use according to claim 7 wherein the amount of
25 rodenticide is from 10 to 250 ppm.
9. Use according to claim 7 wherein the amount of rodenticide is from 20 to 100 ppm.
10. Use according to claim 7 wherein the amount of rodenticide is from 25 ppm to 50 ppm.
- 30 11. Use according to any one of claims 8 to 10 wherein the rodenticide is selected from the group consisting of brodifacoum and difethialone.

12. Use according to any one of claims 1 to 5 wherein the rodenticide is brodifacoum and the amount of rodenticide is about 50 ppm.
13. Use according to any one of claims 1 to 5 wherein
5 the rodenticide is difethialone and the amount of rodenticide is about 25 ppm.
14. Use of an effective amount of a rodenticide and an acaricidally effective amount up to 200ppm of fipronil in the manufacture of a bait composition to provide a lethal
10 effect on ticks and a host rodent thereof following ingestion of the bait composition by the host rodent.
15. Use according to claim 14 wherein the amount of fipronil is at least 10 ppm.
16. Use according to claim 14 wherein the amount of
15 fipronil is at least 15 ppm.
17. Use according to claim 14 wherein the amount of fipronil is at least 25 ppm.
18. Use according to claim 14 wherein the amount of fipronil is at least 40 ppm.
- 20 19. Use according to any one of claims 14 to 18 wherein the rodenticide is a hydroxycoumarin or indane-dione anticoagulant.
20. Use according to any one of claims 14 to 19 wherein the rodenticide is selected from the group consisting of
25 brodifacoum, difethialone, flocoumafen, bromadiolone and mixtures thereof.
21. Use according to claim 20 wherein the amount of rodenticide is from 10 to 250 ppm.
22. Use according to claim 20 wherein the amount of
30 rodenticide is from 20 to 100 ppm.
23. Use according to claim 20 wherein the amount of rodenticide is from 25 ppm to 50 ppm.

24. Use according to any one of claims 14 to 18 wherein the rodenticide is selected from the group consisting of brodifacoum and difethialone.

25. Use according to any one of claims 14 to 18 wherein
5 the rodenticide is brodifacoum and the amount of rodenticide is about 50 ppm.

26. Use according to any one of claims 14 to 18 wherein the rodenticide is difethialone and the amount of rodenticide is about 25 ppm.

10 27. A rodenticidal bait composition comprising:
an insecticidally effective amount up to 200 ppm of fipronil;
an effective amount of a rodenticide selected from the group consisting of brodifacoum, difethialone,
15 flocoumafen and mixtures thereof; and
at least one feeding stimulant.

28. A composition according to claim 28 comprising, by weight:

at least 0.0001% fipronil;

20 from 0.001 to 0.025% rodenticide; and

50 to 99.999% of at least one feeding stimulant..

29. A composition according to claim 28 comprising at least 0.0002% by weight fipronil.

30. A composition according to claim 28 or 29 comprising
25 from 0.002 to 0.010% by weight rodenticide.

31. A composition according to claim 28 or 29 comprising from 0.0025 to 0.0050% by weight rodenticide.

32. A composition according to any one of claims 28 to 31 wherein the rodenticide is selected from the group
30 consisting of brodifacoum and difethialone.

33. A composition according to claim 28 or 29 wherein the rodenticide is brodifacoum and the composition comprises about 0.0050% by weight brodifacoum.

34. A composition according to claim 28 or 29 wherein the rodenticide is difethialone and the composition comprises about 0.0025% by weight difethialone.

35. A rodenticidal bait composition comprising:

5 an acaricidally effective amount up to 200 ppm of fipronil;

an effective amount of a rodenticide selected from the group consisting of brodifacoum, difethialone, flocoumafen and mixtures thereof; and

10 at least one feeding stimulant.

36. A composition according to claim 35 comprising, by weight:

at least 0.001% fipronil;

from 0.001 to 0.025% rodenticide; and

15 50 to 99.998% of at least one feeding stimulant.

37. A composition according to claim 35 or 36 comprising at least 0.0015% by weight fipronil.

38. A composition according to claim 35 or 36 comprising at least 0.0025% by weight fipronil .

20 39. A composition according to claim 35 or 36 comprising at least 0.0040% by weight fipronil .

40. A composition according to any one of claims 36 to 39 comprising from 0.002 to 0.010% by weight rodenticide.

41. A composition according to any one of claims 36 to
25 39 comprising from 0.0025 to 0.0050% by weight rodenticide.

42. A composition according to any one of claims 35 to 41 wherein the rodenticide is selected from the group consisting of brodifacoum and difethialone.

30 43. A composition according to any one of claims 35 to 39 wherein the rodenticide brodifacoum and the composition comprises about 0.0050% by weight brodifacoum.

44. A composition according to claim any one of claims 35 to 39 wherein the rodenticide is difethialone and the composition comprises about 0.0025% by weight difethialone.

45. A composition according to any one of claims 27 to 44 further comprising at least one attractant.

46. A composition according to any one of claims 27 to 45 further comprising one or more insecticidally and rodenticidally compatible excipients and/or adjuvants selected from the group consisting of dye, bittering agent, solvent, flow agent, binder, weatherability enhancer and preservative.

47. A composition according to any one of claims 27 to 46 wherein the feeding stimulant is one or more items selected from the group consisting of:

whole and processed seeds including cereal grains; sugar and sugar products; honey; meat and meat products including blood and fat; dairy products; eggs and egg products including shell and yolk; starch; whole and processed nuts; and vegetable oils.

48. A composition according to claim 47 wherein the feeding stimulant is one or more items selected from the group consisting of:

whole and processed seeds including cereal grains; sugar and sugar products; starch; whole and processed nuts; and vegetable oil.

49. A rodenticidal bait composition comprising approximately by weight,:

0.004 % fipronil:

0.005 % brodifacoum; and

50 to 99.7 % of at least one feeding stimulant.

50. A rodenticidal bait composition comprising approximately by weight,:

5 0.004 % fipronil:

0.0025 % difethialone; and

50 to 99.7 % of at least one feeding stimulant.

51. A method of killing ticks and a host rodent thereof, comprising providing for ingestion to said rodent, a bait
10 composition comprising an effective amount of a rodenticide and an acaricidally effective amount up to 200ppm of fipronil .

52. A method according to claim 51 wherein the bait composition provided for ingestion by said rodent
15 comprises at least 10 ppm fipronil.

53. A method according to claim 51 wherein the bait composition provided for ingestion by said rodent comprises at least 15 ppm fipronil.

54. A method according to claim 51 wherein the bait
20 composition provided for ingestion by said rodent comprises at least 25 ppm fipronil.

55. A method according to claim 51 wherein the bait composition provided for ingestion by said rodent comprises at least 40 ppm fipronil.

25 56. A method according to any one of claims 51 to 55 wherein the bait composition provided for ingestion by said rodent comprises a rodenticide selected from a hydroxycoumarin or indane-dione anticoagulant.

57. A method according to any one of claims 51 to 55
30 wherein the bait composition provided for ingestion by said rodent comprises a rodenticide selected from the group consisting of brodifacoum, difethialone, flocoumafen, bromadiolone and mixtures thereof.

58. A method according to claim 57 wherein the bait composition provided for ingestion by said rodent comprises from 10 to 250 ppm rodenticide.

5 59. A method according to claim 57 wherein the bait composition provided for ingestion by said rodent comprises from 20 to 100 ppm rodenticide.

60. A method according to claim 57 wherein the bait composition provided for ingestion by said rodent
10 comprises from 25 ppm to 50 ppm rodenticide.

61. A method according to any one of claims 51 to 55 wherein the bait composition provided for ingestion by said rodent comprises a rodenticide selected from brodifacoum and difethialone.

15 62. A method according to any one of claims 51 to 55 wherein the bait composition provided for ingestion by said rodent comprises a rodenticide selected from brodifacoum in an amount of about 50 ppm.

63. A method according to any one of claims 51 to 55
20 wherein the bait composition provided for ingestion by said rodent comprises a rodenticide selected from difethialone in an amount of about 25 ppm.